

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

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Applicant's or agent's file reference 6013-137PCT	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, Item 5 below.
International application No. PCT/CA2004/000864	International filing date (day/month/year) 11/06/2004	(Earliest) Priority Date (day/month/year) 13/06/2003
Applicant UNIVERSITE LAVAL		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (See Box II).

3. Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. _____

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

- b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/CA2004/000864

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06T17/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G06T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	D1 TUBIC D ET AL: "A volumetric approach for interactive 3D modeling" PROCEEDINGS FIRST INTERNATIONAL SYMPOSIUM ON 3D DATA PROCESSING VISUALIZATION AND TRANSMISSION IEEE COMPUT. SOC LOS ALAMITOS, CA, USA, 2002, pages 150-158, XP002304315 ISBN: 0-7695-1521-5 abstract pages 1-5; figures 1-3	1, 6-10, 30
Y	----- -/-	11-13, 32, 33

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

5 November 2004

10/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patenlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl
Fax: (+31-70) 340-3016

Authorized officer

Meinl, W

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/CA2004/000864

C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X D2	MASUDA T: "Registration and integration of multiple range images by matching signed distance fields for object shape modeling" COMPUTER VISION AND IMAGE UNDERSTANDING ACADEMIC PRESS USA, vol. 87, no. 1-3, 2002, pages 51-65, XP002304316 ISSN: 1077-3142 cited in the application the whole document	1,6-10, 30
X D3	HOPPE H ET AL: "Surface reconstruction from unorganized points" COMPUTER GRAPHICS USA, vol. 26, no. 2, July 1992 (1992-07), pages 71-78, XP000972231 ISSN: 0097-8930 cited in the application the whole document	1,2,30
Y D4	MENDONCA P R S ET AL: "Estimation of epipolar geometry from apparent contours: affine and circular motion cases" PROCEEDINGS. 1999 IEEE COMPUTER SOCIETY CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION (CAT. NO PR00149) IEEE COMPUT. SOC LOS ALAMITOS, CA, USA, vol. 1, 1999, pages 9-14 Vol. 1, XP010347634 ISBN: 0-7695-0149-4 abstract	11-13, 32,33
A D5	US 5 946 645 A (HEBERT PATRICK ET AL) 31 August 1999 (1999-08-31) cited in the application. abstract; figures 2,3	2
P,X D6	TUBIC D ET AL: "3D surface modeling from range curves" PROCEEDINGS 2003 IEEE COMPUTER SOCIETY CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION IEEE COMPUT. SOC LOS ALAMITOS, CA, USA, vol. 1, 2003, pages I-842, XP002304317 ISBN: 0-7695-1900-8 the whole document	1-33

16-22 juin 2003

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA2004/000864

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 5946645	A 31-08-1999	CA	2286902 A1	15-10-1998
		WO	9845817 A1	15-10-1998
		DE	69802276 D1	06-12-2001
		DE	69802276 T2	16-05-2002
		EP	0974128 A1	26-01-2000
		JP	2001519945 T	23-10-2001

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